

ABSTRACT OF THE DISCLOSURE

There is disclosed a laser microscope in which a beam splitter extracts a part of a laser light of two wavelengths $\lambda_1 = 488 \text{ nm}$ and $\lambda_2 = 514.5 \text{ nm}$, a prism spectrally resolves the laser light of the two wavelengths λ_1 and λ_2 , a two-split photodiode detects intensities of two lines spectrally resolved in this manner, and a controller controls an AOTF fixed to an output end of an argon laser based on a detection signal outputted from the two-split photodiode so that respective light intensities of both lines of wavelengths λ_1 and λ_2 become constant.

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